Infor	matio	on red	quirement	s for air-to-air	condition	ers			
Model(s): KMF-140 DVN Test matching indoor unit		ct:2×KPDF	-28 DN4.0+2×KPDF-4	5 DN4.0;					
Outdoor side heat exchar	nger of air	conditioner:a	ir						
Indoor side heat exchang	ger of air co	nditioner:air							
Type:compressor driven									
If applicable:driver of con	npressor:el	ectric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Un		
Rated cooling capacity	P _{rated,c}	14.2	kW	Seasonal space coolir energy efficiency	ng η _{s,c}	221.8	%		
Declared cooling capacit T _j and inc		oad at given C (dry/wet l			Declared energy efficiency ratio or gas utilisation efficiency/auxil energy factor for part load at given outdoor temperatures Tj				
Tj=+35℃	P _{dc}	14.206	kW	Tj=+35℃	EERd	2.31			
T _j =+30∘C	P _{dc}	10.193	kW	Tj=+30∘C	EERd	4.3			
Tj=+25℃	P _{dc}	6.758	kW	Tj=+25°C	EERd	7.49			
T _j =+20∘C	P _{dc}	5.286	kW	Tj=+20∘C	EERd	12.21			
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_						
		F	Power consumption in r	nodes other than "active mode"					
Off mode	P _{OFF}	0.015	kW	Crankcase heater n	node P _{CK}	0.01	kV		
Thermosat-off mode	P _{TO}	0.057	kW	Standby mode	P _{SB}	0.015	kV		
			Of	her items	in a second	· · · · ·			
Capacity control	variable		For air-to-air air conditi flow rate,outdoor meas		5000	m³			
Sound power evel,outdoor	L _{WA}	71	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details	I		· · · · · ·	1	1				
	d by measu	rement then	the default degradation	coefficient of heat pumps shall	l be 0.25				

		man	miequire	ments for heat p	Jumpa				
Model(s): KMF-140 DVN Test matching indoor un		uct : 2×KPD	F-28 DN4.0+2×KPDF-4	45 DN4.0:					
Outdoor side heat excha									
Indoor side heat exchang	ger of air co	onditioner:air							
Idication if the heater is e	quipped wi	ith a supplem	entary heater:no						
If applicable:driver of con	npressor:el	ectric motor							
Parameters shall be decl	ared for the	e average he:	ating season,parameters	s for the warmer and colder heating sea	asoms are optional				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	P _{rated,h}	16.2	kW	Seasonal space heating energy efficiency	η _{s,h}	171.8	%		
Declared heating capac or		load at indoor peratures T _j	r teperature 20°C and	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j					
Tj=-7°C°	P _{dh}	7.925	kW	Tj=-7	COPd	2.65			
Tj=+2℃	P _{dh}	4.804	kW	Tj=+2	COPd	4.06			
Tj=+7℃	P _{dh}	3.45	kW	Tj=+7	COPd	6.02			
Tj=+12℃	P _{dh}	3.597	kW	Tj=+12	COPd	7.8			
T _{biv} =bivalent temperature	P _{dh}	8.312	kW	T _{biv} =bivalent temperature	COPd	2.65			
T _{OL} =operation temperature	P _{dh}	7.925	kW	T _{OL} =operation temperature	COPd	2.36			
Bivalent temperature	T _{biv}	-7	°C		<u> </u>		-		
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25			<u> </u>				
Power consumption in m	odes other	than "active r	mode"	Supp	Supplementary heater				
Off mode	POFF	0.015	kW	Back-up heating capacity(*)	elbu	0.9	kW		
Thermosat-off mode	P _{TO}	0.009	kW	Type of energy input	<u>† </u>				
Crankcase heater mode	P _{CK}	0.010	kW	Standby mode	P _{SB}	0.015	kW		
			Ot	ther items					
Capacity control	[varia	able	For air-to-air heat pump:air flow rate,outdoor measured	-	5000	m³/ł		
Sound power level,outdoor	L _{WA}	71	dB	now rate, butdoor measured	1				
GWP of the refrigerant		2088	kgCO _{2 eq} (100years)						
Contact details	· · · · ·		<u>.</u>						
(*)	·								
(**)If C is not determine	d by measu	urement then	the default degradation	coefficient of heat pumps shall be 0.25					



Heating mode:



Infor	mati	on red	quirement	s fo	or air-to-air co	ondition	ers	
Model(s): KMF-140 DVN Test matching indoor un	14;		-					
Outdoor side heat excha	nger of air	conditioner:a	ir					
Indoor side heat exchang	ger of air co	onditioner:air						
Type:compressor driven								
If applicable:driver of cor	npressor:e	lectric motor						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	14.0	kW		Seasonal space cooling energy efficiency	η _{s,c}	236.6	%
Declared cooling capaci T _j and in		oad at given ºC (dry/wet l			Declared energy efficiency ra energy factor for part load			
Tj=+35∘C	P _{dc}	13.99	kW		Tj=+35∘C	EERd	3.07	
Tj=+30∘C	P _{dc}	10.482	kW		Tj=+30°C	EERd	5.65	
Tj=+25℃	P _{dc}	6.783	kW		Tj=+25℃	EERd	7.5	
Tj=+20∘C	P _{dc}	5.6	kW		Tj=+20∘C	EERd	10.01	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes o	ther than "active mode"			
Off mode	POFF	0.016	kW		Crankcase heater mode	P _{CK}	0.010	kW
Thermosat-off mode	P _{TO}	0.073	kW		Standby mode	P _{SB}	0.016	kW
			0	ther item	ns For air-to-air air conditioner:air			
Capacity control	variable				flow rate,outdoor measured	-	5000	m³/h
Sound power level,outdoor	L _{WA}	71	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details			1		•			

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit , with a combination of indoor unit(s) recommended by the manufacturer or importer

	Infor	matic	on require	mer	its for heat p	umps				
Model(s): KMF-140 DVN Test matching indoor un	14;				•					
Outdoor side heat excha				011 10 21						
Indoor side heat exchange	ger of air co	nditioner:air								
Idication if the heater is e	quipped wi	th a supplem	entary heater:no							
If applicable:driver of cor	npressor:el	ectric motor								
Parameters shall be decl	ared for the	e average he	ating season,parameter	rs for the	warmer and colder heating seas	soms are optional				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated heating capacity	P _{rated,h}	16.0	kW		Seasonal space heating energy efficiency	η s,h	175.4	%		
Declared heating capacity for part load at indoor teperature 20 $^{\circ}\text{C}$ and outdoor temperatures Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj					
Tj=-7℃	P _{dh}	8.158	kW		Tj=-7℃	COPd	2.6			
Tj=+2℃	P _{dh}	5.477	kW		Tj=+2℃	COPd	4.34			
Tj=+7℃	P _{dh}	3.54	kW		Tj=+7℃	COPd	5.73			
Tj=+12∘C	P _{dh}	43.497	kW		Tj=+12°C	COPd	8.68			
T _{biv} =bivalent temperature	P _{dh}	8.158	kW		T _{biv} =bivalent temperature	COPd	2.6			
T _{oL} =operation temperature	P _{dh}	8.846	kW		T _{OL} =operation temperature	COPd	2.6			
Bivalent temperature	T _{biv}	-7	∘⊂							
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-							
Power consumption in modes other than "active mode"					Supplementary heater					
Off mode	POFF	0.016	kW		Back-up heating capacity(*)	elbu	0.4	kW		
Thermosat-off mode	P _{TO}	0.011	kW		Type of energy input					
Crankcase heater mode	P _{CK}	0.010	kW		Standby mode	P _{SB}	0.016	kW		
			0	ther items	3					
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	-	5000	m³/h		
Sound power level,outdoor	L _{WA}	71	dB							
GWP of the refrigerant		2088	kgCO _{2 eq} (100years)							
Contact details										
(*)										
(**)If C _{dh} is not determine	d by measu	urement then	the default degradation	n coefficie	nt of heat pumps shall be 0.25					
Where information relate	s to multi-s	olit heat pump	os,the test result and pe	erformance	e data may be obtained on the b	asis of performance	e of the out	door		

unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode:



Table.2